



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Ismail Lakkis

Serial No.: 10/810,410

Filed: March 26, 2004

Title: Ultra-Wideband Communication  
Apparatus and Methods

) Art Unit: 2611

) Examiner: Kevin Kim

) Confirmation No.: 8912

Carlsbad, California  
March 20, 2008

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In accordance with 37 C.F.R. § 1.56, Applicants make the documents listed on the enclosed PTO/SB/08 form of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

Copies of the U.S. patents and published U.S. patent applications listed on the enclosed form PTO/SB/08 are not enclosed, in accordance with the waiver of the requirement of 37 C.F.R. § 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 that appears in the Official Gazette Notice (Week No. 31) dated August 5, 2003 and entitled "Information

Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003."

However, copies of the 60 non-patent literature documents listed on the enclosed form PTO/SB/08 are enclosed for review and consideration.

In addition, the U.S. patents and published patent applications, and the non-patent literature listed on the enclosed PTO/SB/08 form may be cited in several of the following patent applications, which may be related to the present application:

United States Patent Application Serial No. 11/980,152, filed October 29, 2007, entitled: Ultra-Wideband Communication Apparatus and Methods;

United States Patent Application Serial No. 10/948,634, filed September 23, 2004, entitled: Systems and Methods for Equalization of Received Signals in a Wireless Communication Network;

United States Patent Application Serial No. 10/120,456, entitled, "Systems and Methods for Recovering Bandwidth in a Wireless Communication Network," filed April 9, 2002;

United States Patent Application Serial No. 10/010,601, entitled, "Systems and Methods for Wireless Communication Over A Wide Bandwidth Channel Using A Plurality of Sub-channels," filed on December 6, 2001;

United States Patent Application Serial No. 09/670,054, entitled, "CDMA/TDMA Communication Method and Apparatus for Wireless Communication using Cyclic Spreading Codes," filed September 25, 2000;

United States Provisional Patent Application Serial No. 60/547,221, entitled, "Systems and Methods for Implementing an Open Loop Architecture in a Wireless Communication Network," filed February 23, 2004;

United States Patent Application Serial No. 10/810,948, entitled, "Systems and Methods for Implementing Path Diversity in a Wireless Communication Network," filed March 25, 2004;

United States Patent Application Serial No. 10/811,223, entitled, "Systems and Methods for Transmitting Data in a Wireless Communication Network," filed March 26, 2004;

United States Patent Application Serial No. 10/934,316, entitled, "Systems and Methods for Receiving Data in a Wireless Communication Network," filed September 3, 2004;

United States Patent Application Serial No. 10/948,099, entitled, "Systems and Methods for Implementing an Open Loop Architecture in a Wireless Communication Network," filed September 23, 2004;

United States Patent Application Serial No. 10/952,485, entitled, "Systems and Methods for Forward Error Correction in a Wireless Communication Network," filed September 27, 2004;

United States Patent Application Serial No. 11/332,946 entitled, "Methods and Apparatus for Wireless Communications," filed January 17, 2006;

United States Patent Application Serial No. 10/961,592 entitled, "Ultra-Wideband Communication Systems and Methods," filed October 8, 2004;

United States Patent Application Serial No. 10/961,614 entitled, "Methods and Apparatus for Wireless Communications," filed October 8, 2004;

United States Patent Application Serial No. 10/963,026 entitled, "Methods and Apparatus for Wireless Communications," filed October 12, 2004;

United States Patent Application Serial No. 10/962,935 entitled, "Methods and Apparatus for Wireless Communications," filed October 12, 2004;

United States Patent Application Serial No. 10/964,482 entitled, "Methods and Apparatus for Wireless Communications," filed October 13, 2004;

United States Patent Application Serial No. 10/964,336 entitled, "Methods and Apparatus for Wireless Communications," filed October 13, 2004;

United States Patent Application Serial No. 10/984,436 entitled, "Methods and Apparatus for Wireless Communications," filed November 8, 2004;

United States Patent Application Serial No. 10/985,977 entitled, "Methods and Apparatus for Wireless Communications," filed November 9, 2004;

United States Patent Application Serial No. 10/985,861 entitled, "Methods and Apparatus for Wireless Communications," filed November 10, 2004;

United States Patent Application Serial No. 10/988,373 entitled, "Methods and Apparatus for Wireless Communications," filed November 12, 2004;

United States Patent Application Serial No. 11/977,825 entitled, "Ultra-Wideband Communication Systems and Methods," filed October 26, 2007;

United States Patent Application Serial No. 11/890,998 entitled, "Systems and Methods for Equalization of Received Signals in a Wireless Communication Network," filed August 8, 2007;

United States Patent Application Serial No. 11/981,305 entitled, "Systems and Methods for Forward Error Correction in a Wireless Communication," filed October 31, 2007;

United States Patent Application Serial No. 11/978,049 entitled, "Ultra-Wideband Communication Systems and Methods," filed October 25, 2007;

United States Patent Application Serial No. 11/055,525 entitled, "High Data Rate Transmitter and Receiver," filed February 9, 2005;

United States Patent Application Serial No. 11/978,065 entitled, "Systems and Methods for Implementing Path Diversity in a Wireless Communication Network," filed October 26, 2007;

United States Patent Application Serial No. 11/980,841 entitled, "Ultra-Wideband Communication Apparatus and Methods," filed October 31, 2007;

United States Patent Application Serial No. 11/975,635 entitled, "Systems and Methods for Wireless Communication Over a Wide Bandwidth Channel Using a Plurality of Sub-Channels," filed October 18, 2007;

United States Patent Application Serial No. 11/980,839 entitled, "Ultra-Wideband Communication Apparatus and Methods," filed October 31, 2007;

United States Patent Application Serial No. 11/975,606 entitled, "Systems and Methods for Wireless Communication Over a Wide Bandwidth Channel Using a Plurality of Sub-Channels," filed October 18, 2007;

United States Patent Application Serial No. 11/975,607 entitled, "Systems and Methods for Wireless Communication Over a Wide Bandwidth Channel Using a Plurality of Sub-Channels," filed October 18, 2007; and

United States Patent Application Serial No. 11/978,050 entitled, "Ultra-Wideband Communication Apparatus and Methods," filed October 25, 2007.

In accordance with 37 C.F.R. § 1.97(c), this supplemental information disclosure statement shall be fully considered by the U.S. Patent & Trademark Office since Applicant filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution in the application, and is accompanied by the requisite fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00

It is respectfully requested that these documents be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent(s) that may issue from this application. It is also respectfully requested that a copy of Form PTO/SB/08, as considered and initiated by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

Respectfully submitted,



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February 28, 2008  
Date